

ABSTRACT OF THE INVENTION

An apparatus and method for creating and using a lightweight custom-molded orthopedic appliance are disclosed. The orthopedic appliance is made up of an inner and an outer bladder containing components which, when combined by rupturing the inner
5 bladder, react to form a rigid foam substance which may be conformed to the shape of the body part or surface in need of support, cushioning, or immobilization, and which quickly cures to form a firm, supportive brace for the affected body part.

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